

Title (en)
ORGANIC COMPOUND FOR ORGANIC LIGHT EMITTING DIODE AND ORGANIC LIGHT EMITTING DIODE INCLUDING SAME

Title (de)
ORGANISCHE VERBINDUNG FÜR ORGANISCHE LICHEMITTIERENDE DIODE UND ORGANISCHE LICHEMITTIERENDE DIODE DAMIT

Title (fr)
COMPOSÉ ORGANIQUE POUR DIODE ÉLECTROLUMINESCENTE ORGANIQUE ET DIODE ÉLECTROLUMINESCENTE ORGANIQUE L'INCLUANT

Publication
EP 3754737 A1 20201223 (EN)

Application
EP 20179262 A 20200610

Priority
• KR 20190073701 A 20190620
• KR 20200061343 A 20200522

Abstract (en)
Disclosed herein are an organic light emitting compound represented by [Chemical Formula 1] below and an organic light emitting diode comprising same. In [Chemical Formula 1], the substituents R₁ to R₅, R₁₁ to R₁₈, R₂₁ to R₂₂, and R₃₁ to R₄₀, the linkers L₁ to L₃, and m₁ and m₂ are as defined in the description:

IPC 8 full level
H10K 99/00 (2023.01)

CPC (source: CN EP US)
C07B 59/002 (2013.01 - CN); **C07D 307/91** (2013.01 - CN US); **C09K 11/06** (2013.01 - CN US); **H10K 50/11** (2023.02 - CN); **H10K 50/14** (2023.02 - CN); **H10K 85/615** (2023.02 - EP); **H10K 85/626** (2023.02 - CN EP); **H10K 85/631** (2023.02 - US); **H10K 85/636** (2023.02 - EP); **H10K 85/6572** (2023.02 - US); **H10K 85/6574** (2023.02 - CN EP US); **H10K 85/6576** (2023.02 - US); **C07B 2200/05** (2013.01 - CN); **C09K 2211/1007** (2013.01 - CN US); **C09K 2211/1011** (2013.01 - CN); **C09K 2211/1018** (2013.01 - US); **C09K 2211/1088** (2013.01 - CN); **H10K 50/11** (2023.02 - EP US); **H10K 50/15** (2023.02 - US); **H10K 50/16** (2023.02 - US); **H10K 50/17** (2023.02 - CN EP US); **H10K 50/171** (2023.02 - US)

Citation (applicant)
• KR 101111406 B1 20120412 - DUKSAN HIGH METAL CO LTD [KR]
• KR 101068224 B1 20110928
• KR 2015004552 W 20150507

Citation (search report)
• [XAYI] WO 2015009076 A1 20150122 - ROHM & HAAS ELECT MAT [KR]
• [XAI] CN 106187963 A 20161207 - JILIN OPTICAL & ELECTRONIC MATERIALS CO LTD
• [XAYI] KR 20140058290 A 20140514 - SFC CO LTD [KR]
• [Y] EP 3269790 A1 20180117 - SFC CO LTD [KR]
• [A] KR 20160107669 A 20160919 - SFC CO LTD [KR]
• [A] KR 20190056338 A 20190524 - LG CHEMICAL LTD [KR]

Cited by
EP3792989B1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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DOCDB simple family (application)
EP 20179262 A 20200610; CN 202010523569 A 20200610; JP 2020100329 A 20200609; US 202016900474 A 20200612